

E20	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of GROUP -A.4sqmm	Mtr	1140.00	0.00	39.81	0.00	1140.00	39.81	45383.40	1140.00	45383.40
E21	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of GROUP -A.6 sqmm	Mtr	90.00	0.00	60.34	0.00	90.00	60.34	5430.60	90.00	5430.60
E22	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of GROUP -A 10 sqmm	Mtr	310.00	0.00	102.14	0.00	310.00	102.14	31663.40	310.00	31663.40
E23	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, . 1-3Way	No	4.00	4.00	78.49	313.96	0.00	78.49	0.00	4.00	313.96
E24	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, -3Way	No	26.00	26.00	86.06	2237.56	0.00	86.06	0.00	26.00	2237.56
E25	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, 4-5Way	No	5.00	5.00	92.68	463.40	0.00	92.68	0.00	5.00	463.40
E26	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, 6Way	No	38.00	38.00	114.43	4348.34	0.00	114.43	0.00	38.00	4348.34
E27	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, 8Way	No	15.00	15.00	132.40	1986.00	0.00	132.40	0.00	15.00	1986.00
E28	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, 10-12Way	No	8.00	8.00	150.37	1202.96	0.00	150.37	0.00	8.00	1202.96
E29	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module	No	26.00	0.00	103.08	0.00	26.00	103.08	2680.08	26.00	2680.08
E30	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 4 Module	No	5.00	0.00	115.38	0.00	5.00	115.38	576.90	5.00	576.90

E31	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 6 Module	No	38.00	163.61	0.00	38.00	163.61	6217.18	38.00	6217.18
E32	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 8 Module	No	15.00	189.14	0.00	15.00	189.14	2837.10	15.00	2837.10
E33	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 10 Module	No	6.00	214.67	0.00	6.00	214.67	1288.02	6.00	1288.02
E34	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 12 Module	No	4.00	252.50	0.00	4.00	252.50	1010.00	4.00	1010.00
E35	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps one way.	No	235.00	59.58	0.00	235.00	59.58	14001.30	235.00	14001.30
E36	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps 3 way socket	No	74.00	89.84	0.00	74.00	89.84	6648.16	74.00	6648.16
E37	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A. Stepped Fan Regulator	No	32.00	270.47	0.00	32.00	270.47	7302.69	27.00	7302.69
E38	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A. 16 Amps one way	No	21.00	107.81	0.00	21.00	107.81	2264.01	21.00	2264.01
E39	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6/16 Amps universal socket	No	21.00	139.02	0.00	21.00	139.02	2919.42	21.00	2919.42
E40	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A TV/Tel phone socket	No	4.00	77.55	0.00	4.00	77.55	310.20	4.00	310.20

E42	LED Indoor Supplying of 2 foot x 4 LED PVC Square Recessed Down light with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition 1*4' -28 watts	No	35.00	✓	0.00	1677.67	✓	0.00	35.00	✓	1677.67	✓	58718.45	✓	35.00	✓	58718.45
E43	Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated pressure die cast connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect working under standard electrical condition.	No	46.00	✓	0.00	1766.57	✓	0.00	46.00	✓	1766.57	✓	81262.22	✓	46.00	✓	81262.22
E44	Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15% LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.	No	60.00	✓	0.00	4676.49	✓	0.00	60.00	✓	4676.49	✓	280589.40	✓	60.00	✓	280589.40
E45	Supplying CFL mirror light fitting with 1x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC supply.	No	12.00	✓	0.00	612.81	✓	0.00	12.00	✓	612.81	✓	7353.72	✓	12.00	✓	7353.72
E46	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm)	No	32.00	✓	0.00	2246.98	✓	0.00	4.00	✓	2246.98	✓	8987.92	✓	4.00	✓	8987.92
E47	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.	No	12.00	✓	0.00	3455.59	✓	0.00	0.00	✓	3455.59	✓	0.00	✓	0.00	✓	0.00

E48	Fixing all types and all capacities of circuit breakers on existing wall using C.I.L. fittings on the wall ceiling/railers/gutters using 23/0.0076" twin PVC insulated wires, required nos of round blocks and clamps (if required)	No	133.00	✓	0.00	92.68	✓	0.00	133.00	✓	92.68	✓	14180.04	✓	133.00	✓	14180.04
E49	Fixing a ceiling/wall mounting fan of all capacities and all types with necessary clamps and S hook made out of 15mm dia MS rod, with 5 amps ceiling rose of approved quality with necessary length of 23/0.0076 inch PVC insulated twin twisted wire of approved quality with regulator mounted on a suitable size wooden board and wired complete.	No	32.00	✓	0.00	224.13	✓	0.00	4	✓	224.13	✓	896.52	✓	4.00	✓	896.52
E50	Fixing one exhaust fan after making a suitable niche in the wall and finishing with cement mortar and colouring to match the existing wall or brackets, with bolts and nuts and a 5 amps, ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire of approved make with wire mesh and wooden frame.	No	12.00	✓	0.00	643.08	✓	0.00	12.00	✓	643.08	✓	7716.96	✓	12.00	✓	7716.96
E51	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws.	No	2.00	✓	2.00	285.60	✓	571.20	0.00	✓	285.60	✓	0.00	✓	2.00	✓	571.20
E52	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.	No	8.00	✓	0.00	221.29	✓	0.00	8.00	✓	221.29	✓	1770.32	✓	8.00	✓	1770.32
E53	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (1cu = 1cs) Four pole	No	2.00	✓	0.00	3824.41	✓	0.00	2.00	✓	3824.41	✓	7648.82	✓	2.00	✓	7648.82
E54	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC 60898, 5-32 Amps SP, Group'A'	No	55.00	✓	0.00	395.30	✓	0.00	55.00	✓	395.30	✓	21741.50	✓	55.00	✓	21741.50
E55	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC 60898, 5-32 Amps DP, Group'A'	No	6.00	✓	0.00	802.90	✓	0.00	6.00	✓	802.90	✓	4817.40	✓	6.00	✓	4817.40

E56	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC 60898.40-63 Amps TPN	No	4.00 ✓	0.00	1830.88 ✓	0.00	4.00 ✓	1830.88 ✓	7323.52 ✓	4.00 ✓	7323.52 ✓
E57	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure. II - Double Door 12 way SPN	No	1.00 ✓	0.00	1533.93 ✓	0.00	1.00 ✓	1533.93 ✓	1533.93 ✓	1.00 ✓	1533.93 ✓
E58	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure. II - Double Door 6 way TPN	No	1.00 ✓	0.00	2711.32 ✓	0.00	1.00 ✓	2711.32 ✓	2711.32 ✓	1.00 ✓	2711.32 ✓
E59	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure. II - Double Door 8 way TPN	No	1.00 ✓	0.00	3390.33 ✓	0.00	1.00 ✓	3390.33 ✓	3390.33 ✓	1.00 ✓	3390.33 ✓
E60	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board. 63 Amps 4 pole	No	1.00 ✓ ~~2.00~~	0.00	2281.03 ✓	0.00	1.00 ✓ ~~2.00~~	2281.00 ✓	2281.00 ✓ ~~4562.00~~	1.00 ✓ ~~2.00~~	2281.00 ✓ ~~4562.00~~
E61	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board 16-25 Amps 2 pole	No	2.00 ✓ ~~4.00~~	0.00	3168.10 ✓	0.00	1.00 ✓	3168.10 ✓	3168.10 ✓	1.00 ✓	3168.10 ✓
E62	Supplying, fixing and wiring earth leakage relay with core balanced current transformer suitable for single phase 50 Hz AC with latest microcontroller based, digital readout of percentage leakage current, programmable delay/auto/ manual reset facility suitable to mount on DIN rail/ flush mounting on panel board.	No	2.00 ✓	0.00	7563.71 ✓	0.00	2.00 ✓	7563.71 ✓	15127.42 ✓	2.00 ✓	15127.42 ✓
E63	Supplying, fixing and wiring 3 Phase Digital Ammeter / Voltmeter.	No	2.00 ✓	0.00	1157.54 ✓	0.00	2.00 ✓	1157.54 ✓	2315.08 ✓	2.00 ✓	2315.08 ✓
E64	Supplying of multi function digital meter with three line back light LCD type display for voltage, Current, frequency, Power, power factor, KVA, KWH, KVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as required with communication Port and Class 0.5s accuracy.	No	2.00 ✓	0.00	7568.44 ✓	0.00	2.00 ✓	7568.44 ✓	15136.88 ✓	2.00 ✓	15136.88 ✓

Sl. No	Description of work	Unit	Quantity	Rate	Amount	Qty	Rate	Amount	Qty	Amount
E65	Supplying, fixing and wiring 1000/5A to 1600/5A 15VA Burden class 1 Current Transformer.	No	6.00	680.90	0.00	6.00	680.90	4085.40	6.00	4085.40
E66	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.	No	6.00	418.00	0.00	6.00	418.00	2508.00	6.00	2508.00
E67	Supplying amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.	Mtr	8.00	2782.25	0.00	8.00	2782.25	22258.00	8.00	22258.00
E68	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.	Mtr	18.00	319.65	0.00	18.00	319.65	5753.70	18.00	5753.70
E69	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.	~~Mtr~~ Sqm	190000.00	0.35	66500.00	0.00	0.35	0.00	190000.00	66500.00
E70	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 m long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts.	No	4.00	4082.59	0.00	4.00	4082.59	16330.36	4.00	16330.36
E71	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI Strip. 25x3mm	Mtr	40.00	72.82	0.00	40.00	72.82	2912.80	40.00	2912.80
E72	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. Copper Strip 25x3mm	No	4.00	6759.86	0.00	4.00	6759.86	27039.44	4.00	27039.44

Sl. No.	Description of Work	Unit	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount
E73	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. 12 SWG. Copper Wire	Mtr	115.00	56.46	0.00	115.00	56.46	6492.90	115.00	6492.90	6492.90
E74	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) conforming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & conforming to GTP of GROUP-A. 3.5 core 35 sqmm	Mtr	200.00	192.92	0.00	200.00	192.92	38584.00	200.00	38584.00	38584.00
E75	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required In existing trench/duct. 25 sqmm to 75 sqmm	Mtr	160.00	15.32	0.00	160.00	15.32	2451.20	160.00	2451.20	2451.20
E76	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required In existing trench/duct. On wall structure. 25 sqmm to 75 sqmm	Mtr	40.00	32.91	0.00	40.00	32.91	1316.40	40.00	1316.40	1316.40
E77	Digging of trench of 0.6m deep * 0.50m wide refilling the trench to the required ground level & consolidating etc., complete.	Mtr	60.00	100.24	6014.40	0.00	100.24	0.00	60.00	6014.40	6014.40
E78	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable.	Mtr	60.00	97.41	5844.60	0.00	97.41	0.00	60.00	5844.60	5844.60
E79	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) 63mm dia	Mtr	6.00	378.28	2269.68	0.00	378.28	0.00	6.00	2269.68	2269.68
E80	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 6sqmm	Mtr	8.00	5.91	0.00	8.00	5.91	47.28	8.00	47.28	47.28
E81	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 10sqmm	Mtr	20.00	7.23	0.00	20.00	7.23	144.60	20.00	144.60	144.60
E82	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 35sqmm Long Barrel	Mtr	32.00	33.78	0.00	32.00	33.78	1080.96	32.00	1080.96	1080.96
E83	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. 65mm	Mtr	24.00	553.23	0.00	24.00	553.23	13277.52	24.00	13277.52	13277.52

Item No	Description of work	Unit	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount
E84	Supplying and fixing L.T cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 35 Sqmm	No	4.00	342.34	1369.36	4.00	342.34	0.00	4.00	342.34	1369.36
E85	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable. 2 PAIR	No	100.00	12.29	0.00	100.00	12.29	1229.00	100.00	12.29	1229.00
E86	Supplying and drawing PVC insulated gas injected physical foam jelly flooded co-axial TV cable.RG-6.	No	100.00	33.10	0.00	100.00	33.10	3310.00	100.00	33.10	3310.00
E87	Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe, with 2" dia 1.5m long M. S. bracket and are welded with suitable angle, using 6mm thick M. S. sheet, grip bolts & nuts, as required, suitable for 9 to 12 m. M. S. tubular pole, with necessary two coats of painting, with all other accessories.Single bracket 1.5 m. Length	No	8.00	1221.84	0.00	8.00	1221.84	9774.72	8.00	1221.84	9774.72
E88	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die	No	8.00	17703.50	0.00	8.00	17703.50	141628.00	8.00	17703.50	141628.00

Item No	Description of work	Unit	Tender Qty	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount
E89	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor conforming to table 3 class 5 of IS-8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & conforming to GTP of GROUP-A	M	60.00	0.00	119.82	0.00	60.00	119.82	7189.20	60.00	7189.20
E90	Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications and as per the direction of the Engineer-in-charge.	Unit	7.00	0.00	3030.36	0.00	2.00	3030.36	6060.72	2.00	6060.72
E91	Providing gun metal pillar cocks 15mm dia of I class conforming to ISI specifications and fixing them in position as per directions including of cost of materials and fixtures and conveyance to spot	Each	16.00	0.00	255.34	0.00	16.00	255.34	4085.44	16.00	4085.44
E92	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications	Each	12.00	0.00	163.42	0.00	12.00	163.42	1961.04	12.00	1961.04
E93	Providing and fixing polished granite sink of size 60cms x 90cms of 23cm thick, the sink portion shall be 15cm in depth of shapes oval/round/ square over brick masonry in cement mortar-1:6 including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and direction of the Engineer-in-charge of the work.	Each	2.00	0.00	7220.99	0.00	0	7220.99	0.00	0.00	0.00

Item No	Description of work	Unit	Tender Qty	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount
E94	Providing and fixing laboratory sink of white glazed fire clay of size 600x450x200mm with M.S / C.I brackets, C.P brass chain with rubber plug, 32 mm C.P. brass waste, tap with union, brass stop cock complete, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specification and direction of the Engineer-in-charge of the work.	unit	2.00	0.00	3467.50	0.00	0	3467.50	0.00	0.00	0.00
E95	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per the direction of the Engineer-in-charge of the work. 15mm nominal OD Pipes	m	40.00	40.00	117.46	4698.40	0.00	117.46	0.00	40.00	4698.40
E96	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per the direction of the Engineer-in-charge of the work. 20mm nominal OD Pipes	m	195.00	195.00	137.88	26886.60	0.00	137.88	0.00	195.00	26886.60
E97	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per the direction of the Engineer-in-charge of the work. 25mm nominal OD Pipes	m	100.00	100.00	173.63	17363.00	0.00	173.05	0.00	100.00	17363.00
E98	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per the direction of the Engineer-in-charge of the work. 32mm nominal OD Pipes	m	65.00	65.00	229.81	14937.65	0.00	229.81	0.00	65.00	14937.65

Item No	Description of work	Unit	Tender Qty	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount
E99	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete(internal work exposed on wall).40mm nominal OD pipes	m	70.00	70.00	316.62	22163.40	0.00	316.62	0.00	70.00	22163.40
E100	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete(internal work exposed on wall).50mm nominal OD pipes	m	75	75.00	449.40	33705.00	0.00	449.40	0.00	75.00	33705.00
E101	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete(external work).62.50mm nominal OD pipes	m	32	32.00	1419.68	45429.76	0.00	1419.68	0.00	32.00	45429.76
E102	Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore length of PVC connection including cost of all materials, labours and HOM of equipments with all leads complete as per specifications	Set	45	45.00	268.62	12087.90	0.00	268.62	0.00	45.00	12087.90
E103	Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 40mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications	Each	4	0.00	1343.08	0.00	4.00	1343.08	5372.32	4.00	5372.32
E104	Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications	Each	4.00	0.00	2095.82	0.00	4.00	2095.82	8383.28	4.00	8383.28

Item No	Description of work	Unit	Tender Qty	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount
E105	Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 65mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications	Each	2.00	0.00	2629.99	0.00	2.00	2629.99	5259.98	2.00	5259.98
E106	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications	Each	2.00	0.00	1527.95	0.00	2.00	1527.95	3055.90	2.00	3055.90
E107	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 6.00 kg / sq.cm working pressure chemp plast / wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of materials, labour charges, HOM of equipments and testing complete as per specifications 40mm dia	Each	50.00	50.00	268.62	13431.00	0.00	268.62	0.00	50.00	13431.00
E108	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 6.00 kg / sq.cm working pressure chemp plast / wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of materials, labour charges, HOM of equipments and testing complete as per specifications 50mm dia	Each	32.00	32.00	353.39	11308.48	0.00	353.39	0.00	32.00	11308.48
E109	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 6.00 kg / sq.cm working pressure chemp plast / wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of materials, labour charges, HOM of equipments and testing complete as per specifications 75mm dia	Each	80.00	80.00	409.56	32764.80	0.00	409.56	0.00	80.00	32764.80
E110	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 6.00 kg / sq.cm working pressure chemp plast / wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of materials, labour charges, HOM of equipments and testing complete as per specifications 110mm dia	Each	65.00	65.00	484.12	31467.80	0.00	484.12	0.00	65.00	31467.80
E111	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kg / sq.cm working pressure chemp plast / wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of materials, labour charges, HOM of equipments and testing complete as per specifications with 90mm outer dia	Each	47.00	47.00	491.27	23089.69	0.00	491.27	0.00	47.00	23089.69
E112	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kg / sq.cm working pressure chemp plast / wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of materials, labour charges, HOM of equipments and testing complete as per specifications with 110mm outer dia	Each	72.00	72.00	702.69	50593.68	0.00	702.69	0.00	72.00	50593.68

Item No	Description of work	Unit	Tender Qty	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount
E113	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions(Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) 10cms X 7.5cms	Each	28.00	0.00	255.34	0.00	28.00	255.34	7149.52	28.00	7149.52
E114	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia,	Each	28.00	0.00	163.42	0.00	28.00	163.42	4575.76	28.00	4575.76
E115	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom 0.91 m deep and 0.56m dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize cement, metal and making necessary channel in cement granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter confirming IS: 12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of machineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be separately) and as per direction of the Engineer-in-charge of the work.	Nos	2.00	0.00	13866.95	0.00	2.00	13866.95	27733.90	2.00	27733.90
E116	Providing 20mm square M.S. footrest and fixing in manhole with M 10 cement concrete block of 20x20x10 cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete complete as per	Nos	20.00	0.00	251.25	0.00	20.00	251.25	5025.00	20.00	5025.00
E117	Drainage Spouts using 100mm class B GI pipe as per drawing and Technical specification including clamps and nuts etc., complete as per specifications	Nos	12.00	0.00	1680.13	0.00	12.00	1680.13	20161.56	12.00	20161.56
E118	Supplying, installing, testing and commissioning of submersible pump of Atlanta, Suguna, CRI, Kirloskar and other Equivalent Pumps of capacity 5 HP/3.7 KW, as per the direction of the Engineer-in-charge of the work.	Set	2.00	0.00	32425.22	0.00	2.00	32425.22	64850.44	2.00	64850.44

